



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/748,490  
Source: TFB  
Date Processed by STIC: 10-15-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street, S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/748,490

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1  **Wrapped Nucleic** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file  
 **Wrapped Aminos** was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2  **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3  **Misaligned Amino Numbering** The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4  **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5  **Variable Length** Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>,<223> section that some may be missing
- 6  **PatentIn 2.0 "bug"** A "bug" in PatentIn version 2.0 has caused the <220>,<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>,<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>,<223> sections for Artificial or Unknown sequences.
- 7  **Skipped Sequences (OLD RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence  
 (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
 (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading!)  
 (ii) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
 This sequence is intentionally skipped  
 Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences
- 8  **Skipped Sequences (NEW RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence  
 <210> sequence id number  
 <400> sequence id number  
 000
- 9  **Use of n's or Xaa's (NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing  
 Per 1.823 of Sequence Rules, use of <220>,<223> is MANDATORY if n's or Xaa's are present  
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents
- 10  **Invalid <213> Response** Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>,<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11  **Use of <220>** Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12  **PatentIn 2.0 "bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 3  **Misuse of n/Xaa** "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/748,490

DATE: 10/15/2004  
TIME: 11:30:06

Input Set : A:\PTO.FG.txt  
Output Set: N:\CRF4\10152004\J748490.raw

3 <110> APPLICANT: Tamaki, et al.

5 <120> TITLE OF INVENTION: Agent for Prevention and Treatment of inflammatory bowel disease

7 <130> FILE REFERENCE: SAEG143.001AUS

W--> 8 <140> CURRENT APPLICATION NUMBER: US 10/748,490

C--> 9 <141> CURRENT FILING DATE: 2003-12-30

11 <160> NUMBER OF SEQ ID NOS: 5

12 <170> SOFTWARE: PatentIn Ver. 2.1

14 <210> SEQ ID NO: 1

15 <211> LENGTH: 4

16 <212> TYPE: PRT

17 <213> ORGANISM: humans, bacteria, or yeasts

19 <300> PUBLICATION INFORMATION:

21 <301> AUTHORS: Tagaya Y

22 Maeda Y

23 Mitsui A

24 Kondo N

25 Matsui H

26 Hamuro J

27 Brown N

28 Arai K

29 Yokota T

30 Wakasugi H

32 <302> TITLE: ATL-derived factor (ADF), an IL-2 receptor/TAC inducer homologous to thioredoxin; possible involvement of dithiol-reduction in the IL-2 receptor induction

35 <303> JOURNAL: Embo J

36 <304> VOLUME: 8

37 <306> PAGES: 757-764

38 <307> DATE: 1989

40 <400> SEQUENCE: 1

41 Cys Gly Pro Cys

44 <210> SEQ ID NO: 2

45 <211> LENGTH: 4

46 <212> TYPE: PRT

47 <213> ORGANISM: Artificial sequence

49 <220> FEATURE:

51 <221> NAME/KEY: ACT\_SITE

53 <222> LOCATION: (2)..(3)

54 <223> OTHER INFORMATION: Xaa is independently one of the twenty natural amino acids

56 <400> SEQUENCE: 2

W--> 57 Cys Xaa Xaa Cys

60 <210> SEQ ID NO: 3

61 <211> LENGTH: 4

PLS see item # 10 on error summary sheet.

INVALID response Does Not Comply  
Corrected Diskette Needed  
(pg.1-2)

Mandatory, <213> responses  
has to be either  
Artificial | Unknown or  
Genus / species.

Mandatory, if <213> response  
is Artificial | Unknown PLS  
explain in  
section  
(2207-  
(2237)

PLS explain

PLS see item # 11 on  
error summary sheet

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/748,490

DATE: 10/15/2004  
TIME: 11:30:06

Input Set : A:\PTO.FG.txt  
Output Set: N:\CRF4\10152004\J748490.raw

62 <212> TYPE: PRT  
63 <213> ORGANISM: humans, bacteria, or yeasts  
65 <400> SEQUENCE: 3  
66 Cys Pro Tyr Cys  
69 <210> SEQ ID NO: 4  
70 <211> LENGTH: 4  
71 <212> TYPE: PRT  
72 <213> ORGANISM: humans, bacteria, or yeasts  
74 <400> SEQUENCE: 4  
75 Cys Pro His Cys  
78 <210> SEQ ID NO: 5  
79 <211> LENGTH: 4  
80 <212> TYPE: PRT  
81 <213> ORGANISM: humans, bacteria, or yeasts  
83 <400> SEQUENCE: 5  
84 Cys Pro Pro Cys

-INVALID  
Response

-INVALID  
Response

-INVALID  
Response

PLS

See  
item  
# 10

ON error  
Summary  
Sheet.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/15/2004  
PATENT APPLICATION: US/10/748,490 TIME: 11:30:07

Input Set : A:\PTO.FG.txt  
Output Set: N:\CRF4\10152004\J748490.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 2,3 ✓

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/10/748,490**

DATE: 10/15/2004

TIME: 11:30:07

Input Set : **A:\PTO.FG.txt**

Output Set: **N:\CRF4\10152004\J748490.raw**

L:8 M:283 W: Missing Blank Line separator, <140> field identifier

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0